

**DECLARATION AND POWER OF ATTORNEY**  
(Related Application)

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

**COMPOSITIONS AND METHODS FOR DOUBLE-TARGETING  
VIRUS INFECTIONS AND TARGETING CANCER CELLS**

the specification of which is attached hereto and/or was filed on October 20, 2000  
as Application No. 09/693,658.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to herein.

I acknowledge the duty to disclose information which is material to patentability in accordance with Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d), of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

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(Application Serial No.) (Filing Date) (Status)--(patented, pending, abandoned)

(Application Serial No.) (Filing Date) (Status)--(patented, pending, abandoned)

And I hereby appoint the registered attorneys and agents associated with **AKIN, GUMP, STRAUSS, HAUER & FELD, L.L.P.**, Customer No. **000570**, as my attorneys or agents with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

Address all correspondence to **Customer No. 000570, namely, AKIN, GUMP, STRAUSS, HAUER & FELD, L.L.P.**, One Commerce Square, 2005 Market Street, Suite 2200, Philadelphia, Pennsylvania 19103. Please direct all communications and telephone calls to **KATHRYN DOYLE** at (215) 965-1284.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Full name of sole  
inventor, if any Louis S. Kucera

Inventor's Signature Louis S. Kucera

Date 11/6/00

Residence Pfafftown, North Carolina

Citizenship United States of America

Post Office Address 4860 Ellen Avenue, Pfafftown, NC 27040

**BEST AVAILABLE COPY**

Full name of second joint

inventor, if any Ronald A. Fleming

Inventor's Signature

Ronald A. Fleming

Date

November 24, 2000

Residence

Cary, North Carolina

Citizenship

United States of America

Post Office Address

107 Smiths Knoll Court

Cary, North Carolina 27513

Full name of third joint

inventor, if any Khalid S. Ishaq

Inventor's Signature

Date

Residence

Chapel Hill, North Carolina

Citizenship

United States of America

Post Office Address

105 Hunter Hill Place, Chapel Hill, NC 27514

Full name of fourth joint

inventor, if any Gregory L. Kucera

Inventor's Signature

Date

Residence

Winston-Salem, North Carolina

Citizenship

United States of America

Post Office Address

705 Manly Street, Winston-Salem, NC 27101

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Full name of second joint  
inventor, if any Ronald A. Fleming

Inventor's Signature \_\_\_\_\_

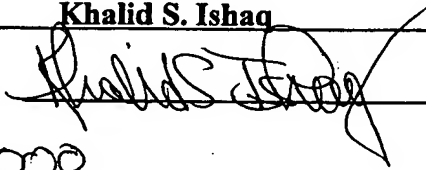
Date \_\_\_\_\_

Residence Pfafftown, North Carolina

Citizenship United States of America

Post Office Address 1005 Greenly Drive, Pfafftown, NC 27040

Full name of third joint  
inventor, if any Khalid S. Ishag

Inventor's Signature 

Date 11/6/2000

Residence Chapel Hill, North Carolina

Citizenship United States of America

Post Office Address 105 Hunter Hill Place, Chapel Hill, NC 27514

Full name of fourth joint  
inventor, if any Gregory L. Kucera

Inventor's Signature \_\_\_\_\_

Date \_\_\_\_\_

Residence Winston-Salem, North Carolina

Citizenship United States of America

Post Office Address 705 Manly Street, Winston-Salem, NC 27101

**BEST AVAILABLE COPY**

Full name of second joint  
inventor, if any Ronald A. Fleming

Inventor's Signature \_\_\_\_\_

Date \_\_\_\_\_

Residence Pfafftown, North Carolina

Citizenship United States of America

Post Office Address 1005 Greenly Drive, Pfafftown, NC 27040

Full name of third joint  
inventor, if any Khalid S. Ishaq

Inventor's Signature \_\_\_\_\_

Date \_\_\_\_\_

Residence Chapel Hill, North Carolina

Citizenship United States of America

Post Office Address 105 Hunter Hill Place, Chapel Hill, NC 27514

Full name of fourth joint  
inventor, if any Gregory L. Kucera

Inventor's Signature 

Date 11/7/00

Residence Winston-Salem, North Carolina

Citizenship United States of America

Post Office Address 705 Manly Street, Winston-Salem, NC 27101

**BEST AVAILABLE COPY**

Full name of fifth joint  
inventor, if any

Susan L. Morris-Natschke

Inventor's Signature

Susan L. Morris-Natschke

Date

11/09/2000

Residence

Apex, North Carolina

Citizenship

United States of America

Post Office Address

1225 Martha's Chapel Road, Rt. 3, Box 184P, Apex, NC 27502

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RECORDATION FORM COVER SHEET  
PATENTS ONLY

Attorney Docket  
No.: 443-11U1 (053665-5010)

To the Assistant Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Khalid S. Ishaq  
Susan L. Morris-Natschke

2. Name and address of receiving party(ies):

The University of North Carolina at Chapel Hill  
Campus Box 4105  
308 Bynum Hall  
Chapel Hill, North Carolina 27599-4105

3. Nature of conveyance:

☒ Assignment      ☐ Merger  
☐ Security Agreement      ☐ Change of Name  
☐ Other:

Execution Date: April 9, 2001

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s):

09/693,658, filed October 19, 2000

B. Patent No.(s):

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence document should be mailed:

KATHRYN DOYLE, Ph.D., J.D.  
MORGAN, LEWIS & BOCKIUS, L.L.P.  
1701 Market Street  
Philadelphia, PA 19103  
Telephone: (215) 963-5000  
Direct Dial: (215) 963-4723  
Facsimile: (215) 963-5299  
E-Mail: [kdoyle@morganlewis.com](mailto:kdoyle@morganlewis.com)

6. Total number of applications and patents involved: [1]

7. Total fee (37 C.F.R. 3.41) Cal. 1 x \$40.00 = \$40.00

☒ Check enclosed  
☐ Authorized to be charged to deposit account

8. Deposit account number: 50-0310

(Billing No.: 053665-5010)

DO NOT USE THIS SPACE

9. Statement and signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Kathryn Doyle, Ph.D.

Name of Person Signing

  
Signature

August 13, 2001

Date

Total number of pages including cover sheet, attachments and document: [ ]

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Attorney Docket No.: 443-11U1  
(53665-5010US)  
JOINT

### ASSIGNMENT

**WHEREAS**, we, Khalid S. Ishaq and Susan L. Morris-Natschke, citizens of the United States of America; with respective post office addresses 105 Hunter Hill Place, Chapel Hill, NC 27514; 1225 Martha's Chapel Road, Rt. 3, Box 184P, Apex, NC 27502, hereinafter generally referred to as "ASSIGNORS," have invented a certain new and useful

### **COMPOSITIONS AND METHODS FOR DOUBLE-TARGETING VIRUS INFECTIONS AND TARGETING CANCER CELLS**

for which we have executed a United States Patent Application No. : 09/693,658 filed October 19, 2000, and

**ASSIGNORS** authorize **ASSIGNEE** or **ASSIGNEE's** representative to insert the Application Number and Filing date of this application if they are unknown at the time of execution of this Assignment.

**WHEREAS**, **UNIVERSITY OF NORTH CAROLINA – Chapel Hill**, a not-for profit corporation having a place of business at Campus Box 4105, 308 Bynum Hall, Chapel Hill, NC 27599-4105, hereinafter generally referred to as "**ASSIGNEE**", is desirous of acquiring said invention and said patent application.

**NOW, THEREFORE**, in consideration of the sum of One Dollar and other good and valuable executed consideration, the full receipt and sufficiency of all of which are hereby acknowledged and intending to be legally bound hereby, we, the undersigned **ASSIGNORS**, hereby agree to sell, assign, transfer and convey and by these presents do sell, assign, transfer and convey unto the above-named **ASSIGNEE**, the whole and entire right, title and interest

in and to said invention as described in the above patent application, for the territory of the United States and its possessions and territories and all foreign countries;

in and to the above patent application and any and all related United States and foreign patent applications disclosing said invention, including provisionals, non-provisionals, divisions and continuations thereof, along with all rights of priority created by said patent application under any treaty relating thereto; and

in and to all United States and foreign patents which may be granted on any and all of said patent applications, including extensions, reissues and reexamination certificates thereof;

said invention, application(s) and patent(s) to be held and enjoyed by the above-named **ASSIGNEE**, for **ASSIGNEE's** own use and benefit, and for **ASSIGNEE's** legal representatives

**BEST AVAILABLE COPY**



STATE OF North Carolina :  
COUNTY OF DURHAM : ss.

Before me, a notary public in and for the State and County aforesaid, on this 9<sup>th</sup> day of April, 2000, personally appeared Khalid S. Ishaq, who being to me personally known, and who having first executed the foregoing instrument in my presence and have been by me first duly sworn, did acknowledge the foregoing instrument as his free deed and act, signed, sealed and delivered by him for the purpose therein stated and intending to be legally bound thereby and intending that said instrument be recorded.

Doris Bonita Perry  
Notary Public

My Commission Expires:

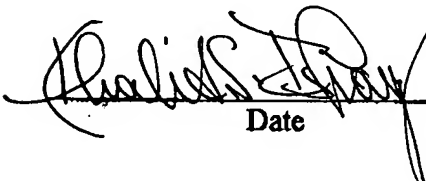
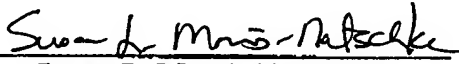
STATE OF North Carolina :  
COUNTY OF DURHAM : ss.

Before me, a notary public in and for the State and County aforesaid, on this 9<sup>th</sup> day of April, 2000, personally appeared and Susan L. Morris-Natschke, who being to me personally known, and who having first executed the foregoing instrument in my presence and have been by me first duly sworn, did acknowledge the foregoing instrument as his free deed and act, signed, sealed and delivered by him for the purpose therein stated and intending to be legally bound thereby and intending that said instrument be recorded.

Doris Bonita Perry  
Notary Public

My Commission Expires:

and assigns to the full end of the term or terms for which said patent(s) may be granted, as fully and entirely as the same would have been held by the undersigned ASSIGNORS had this assignment and sale not been made; and for the aforesaid consideration ASSIGNORS hereby covenant, agree and undertake to execute, whenever requested by the above-named ASSIGNEE, all patent applications, assignments, lawful oaths and any other papers which ASSIGNEE may deem necessary or desirable for securing to ASSIGNEE or for maintaining for ASSIGNEE all the patent(s) hereby assigned or agreed to be assigned; all without further compensation to the undersigned ASSIGNORS.

 _____ Date	<u>4/9/2001</u> _____ Khalid S. Ishaq (Seal)
<u>04/09/01</u> _____ Date	 _____ Susan L. Morris-Natschke (Seal)

RECORDATION FORM COVER SHEET  
PATENTS ONLY

Attorney Docket  
No.: 443-11U1 (053665-5010)

To the Assistant Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Louis S. Kucera  
Ronald A. Fleming  
Gregory L. Kucera

2. Name and address of receiving party(ies):

Wake Forest University School of Medicine  
Medical Center Boulevard  
Winston-Salem, North Carolina 27157

3. Nature of conveyance:

☒ Assignment      ☐ Merger  
☐ Security Agreement      ☐ Change of Name  
☐ Other:

Execution Date: April 2, 2001

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s):

09/693,658, filed October 19, 2000

B. Patent No.(s):

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence document should be mailed:

KATHRYN DOYLE, Ph.D., J.D.  
MORGAN, LEWIS & BOCKIUS, L.L.P.  
1701 Market Street  
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Telephone: (215) 963-5000  
Direct Dial: (215) 963-4723  
Facsimile: (215) 963-5299  
E-Mail: [kdoyle@morganlewis.com](mailto:kdoyle@morganlewis.com)

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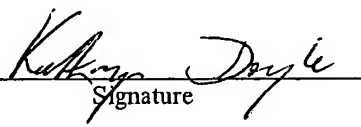
(Billing No.: 053665-5010)

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9. Statement and signature

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Kathryn Doyle, Ph.D.  
Name of Person Signing

  
Signature

August 13, 2001  
Date

Total number of pages including cover sheet, attachments and document: [ ]

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Attorney Docket No.: 443-11U1  
(53665-5010US)  
JOINT

### **ASSIGNMENT**

**WHEREAS, we, Louis S. Kucera, Ronald A. Fleming, and Gregory L. Kucera, citizens of the United States of America; with respective post office addresses of 4860 Ellen Avenue, Pfafftown, NC 27040; 107 Smiths Knoll Court, Cary, NC 27513; 705 Manly Street, Winston-Salem, NC 27101, hereinafter generally referred to as "ASSIGNORS," have invented a certain new and useful**

### **COMPOSITIONS AND METHODS FOR DOUBLE-TARGETING VIRUS INFECTIONS AND TARGETING CANCER CELLS**

**for which we have executed a United States Patent Application No. : 09/693,658 filed October 19, 2000, and**

**ASSIGNORS authorize ASSIGNEE or ASSIGNEE's representative to insert the Application Number and Filing date of this application if they are unknown at the time of execution of this Assignment.**

**WHEREAS, WAKE FOREST UNIVERSITY, a not-for profit corporation having a place of business at Medical Center Boulevard, Winston-Salem, NC 27157, hereinafter generally referred to as "ASSIGNEE", is desirous of acquiring said invention and said patent application.**

**NOW, THEREFORE, in consideration of the sum of One Dollar and other good and valuable executed consideration, the full receipt and sufficiency of all of which are hereby acknowledged and intending to be legally bound hereby, we, the undersigned ASSIGNORS, hereby agree to sell, assign, transfer and convey and by these presents do sell, assign, transfer and convey unto the above-named ASSIGNEE, the whole and entire right, title and interest**

**in and to said invention as described in the above patent application, for the territory of the United States and its possessions and territories and all foreign countries;**

**in and to the above patent application and any and all related United States and foreign patent applications disclosing said invention, including provisionals, non-provisionals, divisions and continuations thereof, along with all rights of priority created by said patent application under any treaty relating thereto; and**

**in and to all United States and foreign patents which may be granted on any and all of said patent applications, including extensions, reissues and reexamination certificates thereof;**

**said invention, application(s) and patent(s) to be held and enjoyed by the above-named ASSIGNEE, for ASSIGNEE's own use and benefit, and for ASSIGNEE's legal representatives**

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